Manual Antennas

Multi-Sat Antennas & Tripod Mount

DISH 1000 Antenna DS-1005

Enjoy your DISH Network™ programming, including all available High Definition channels from all three KU-band satellites 110°, 119° and 129°. Includes combination mount for home mounting or take it with you on the road with the Winegard heavy duty tripod mount, not included. Connect the antenna to your digital satellite receiver and access up to 1000 channels of crystal-clear digital programming. Multiple receiver capable. (Check with DISH Network for receiver compatibility with DISH 1000 antenna).

DISH 500 Antenna DS-5005

Watch up to 500 channels including available HD programming located on satellites 110° and 119°. Fits heavy duty tripod mount, not included. Multiple receiver capable. (Check with DISH Network for receiver compatibility with DISH 500 antenna).

Tripod Mount with Carry Bag for Multi-Satellite Viewing Antennas

TR-3500 Heavy duty tripod accommodates multi-satellite viewing antennas (DS-1005 and DS-5005) and is designed for use almost anywhere. Measures 45-1/4" when folded for storage. Has adjustable legs for uneven surfaces. E-coated galvanized steel. Comes fully assembled for easy setup. Includes bubble level, compass, ground anchors, and nylon carry bag.

Ship Weight 12 lbs. Satellite Antenna sold separately.

Single-Sat Antenna & Tripod Mount

Single-Satellite Viewing Antenna DS-4248

View one of any available KU-band satellites (61.5°, 72°, 82°, 91.5°, 101°, 110°, 119°, 139°, 148°). Features 18" antenna with dual feed LNBF for up to 2 receiver viewing. Includes wall/roof/pole mount for nearly any kind of installation. Can be used with single satellite viewing tripod mount. Not compatible with DIRECTV satellite 110°.

Single-Satellite Viewing Tripod/Mount TR-2000

Ideal when permanent mounting is not desirable. Great for short stops, wooded areas, boat docks, decks, etc. Azimuth degree markings molded in. Includes removable legs, ground anchor, bungee cord, compass and level. Works with standard 18-inch home single satellite viewing dish. Not for use with portable model RD-9046 or PM-2000. 8-1/4" x 8-1/4" x 19". Weight: 5 lbs.

NEW! Single-Satellite Viewing Antenna & Tripod Package TR-2048

For your convenience, we've combined everything you need to set up a handy 18-in. single-satellite viewing antenna just about anywhere. View one of any available KU-band satellites (61.5°, 72°, 82°, 91.5°, 101°, 110°, 119°, 139°, 148°). Package features 18" single-satelllite viewing antenna and tripod mount w/removable legs. Includes dual feed LNBF for up to 2 receiver viewing, satellite finder meter, 30' coax and 6' jumper. Also includes ground anchor, bungee cord, compass and level. *(Not compatible with DIRECTV satellite 110°).*

Mobile Products for "Over-the-Road"

Winegard digital satellite accessories go "over-the-road" with truckers & RVers.

Handrail or Ladder Mount Pole
84" telescoping adjustable pole, **MM-3084,** allows mounting dish on either side of vehicle. Lifts antenna above most truck cabs and coaches. For use with 18" DS-4248 single satellite dish (sold separately).

Use either...

Handrail or Ladder Mount Brackets
Attractive polished stainless steel brackets, **MM-3002.** Attach MM-3084 to cab handrail or coach ladder; incudes rubber pads, hardware, two brackets.

Or

Cab or Coach Mount Brackets
Heavy extruded anodized aluminum brackets, **MM-3003.** Attach MM-3084 directly to cab/coach; includes hardware, two brackets.

Satellite Dish Installation Kit
MM-3118 Adapts 18" DS-4248 single satellite dish to mount pole, MM-3084. Installation kit includes T-handles, 15' coax with connectors, satellite finder meter, 5' coax with connectors, cable splice, compass and four bushings which allow dish to fit pole. Satellite dish sold separately.

Video Switch

VS-5312 Send signals from any one of five different inputs to three outputs. Five inputs include satellite, auxiliary and cable TV in addition to the standard TV antenna and VCR options. Three outputs allow independent viewing of signals at two different TVs with an additional recording option to VCR. Built in +12 VDC TV antenna power supply eliminates the need for separate wall-mounted TV antenna power supply.

Accessories

Digital Magic™ Digital Elevation Sensor

DM-4000 helps you find the satellite quickly and easily! Digital Magic gives the elevation of the antenna on an LCD readout located inside the coach. Sensor is installed on the backup structure of the antenna, and wired to wall plate readout located inside the coach. Accurate to within 2°, even when not parked level! Includes 20 feet of three-conductor cable. Requires +12 VDC power source or 9 V battery. Suitable for models RM-4600, RM-4646 and RM-4610.
Order **DM-2000** for prewire installs; includes 60" of cable.

INTERIOR LCD WALL PLATE

Dual feed LNBF options...

for multiple receiver use.
LB-6000 White
LB-2000 Gray.

+12 V Power Supply makes installs a breeze.

PS-1208 converts any standard 110 VAC electrical outlet to a +12 VDC power source. No more searching for clean power.

For level mounting... RW-5000 roof wedge is designed for use with RM satellite models. Provides level mounting surface for front-to-back or side-to-side sloping vehicle roofs.

Find the satellite fast and easily...

Satellite Alignment Compass SC2000 - Use local zip code to obtain azimuth setting from satellite receiver and aim your dish in the direction indicated by the compass. Fast, accurate, easy-to-read instructions printed on compass.

Digital Compass SC-8000 is the smallest and lightest compass available. Accurate, easy to operate, water resistant with a backlighted display. Handy belt clip and neck strap included.

Satellite Finder Meter SF1000 has an audio tone to help you align the satellite antenna signal without using receiver menu. Use with any manual satellite antenna.

Winegard, Movin' View and RoadTrip are registered trademarks of Winegard Co. DISH Network is a registered trademark of EchoStar Satellite L.L.C. DIRECTV is a registered trademark of DIRECTV, Inc., a unit of Hughes Electronics Corp. ExpressVu is a registered trademark of Bell Canada, Inc. All other trademarks are official trademarks of their respective owners.

Satellite TV reception may be disrupted by weather conditions or obstructions such as trees, buildings, and overpasses.

All Winegard antennas are made in USA and ship UPS.

Winegard Company • 3000 Kirkwood St. • Burlington, IA 52601-2000 • 800-288-8094 Fax 800-247-8221 • www.winegard.com

© 2003 Winegard Company Rev. 11/07 WC-747

HD Ready

WINEGARD®

Mobile Television Reception Products

Mobile Satellite HDTV Antennas & Accessories

The Signal You've Been Looking For™

Manual Antennas

Crank-Up Satellite Antennas

RM-DM46 Crank-Up Satellite Dish

Raise, lower and rotate this 18-inch dish with hand crank from inside vehicle. Dish is galvanized steel with white thermoset powder coat; mount/base is cast aluminum. Interior control parts are sturdy molded plastic, design coordinates with vehicle interiors. Winegard's Digital Magic™ sensor makes finding the satellite fast and easy. After you park, the LCD readout inside your RV shows the exact elevation of the dish to within 2 degrees, even if not parked level. Unit weighs 12.5 lbs, shipping weight 21.5 lbs. U.S. Patent No. 5,532,710

RM-4600 Crank-Up without Digital Magic Elevation Sensor
RM-DM46 Crank-Up with Digital Magic Elevation Sensor

Other Models
RM-4646: Same as RM-4600, but includes 76' cable, for prewire installs.
RM-4604: Same as RM-4646, bulk pack of 4.
RM-DM00: Same as RM-DM46, but for OEMs.
RM-DM04: Same as RM-DM00, bulk pack of 4.

Accessories
DM-4000 Digital Magic elevation sensor finds the satellite quickly and easily! Gives the elevation of the antenna on an LCD readout located inside the coach. Suitable for models RM-4600, RM-4646 and RM-4610.
DM-2000 Digital Magic for prewire installs.
RW-5000 Roof Wedge gives level mounting surface.

RM-DM46/4600 shown with RM-2000 cover

RM-2000 White Cover for base gives aesthetic look and provides weather protection.

Combination Crank-up Satellite & Over-the-air Antenna on One Mount.

U.S. Patent No. 5,532,710

Winegard's **Model RM-DM61** with factory-installed Digital Magic™ elevation sensor combines an 18" satellite antenna and an omnidirectional over-the-air antenna on the same mount. You have *one* installation with *one* mount. The antennas are raised and lowered together using the hand crank inside the vehicle. With this combination mount, you can select satellite or local programming. Includes dual output LNBF. Operating radius 35", roof space required 20"x47"; travel height 8.5", raises to 30" max.; weighs 19 lbs., shipping weight 25.5 lbs., ships UPS.

RM-4610, the same as RM-DM61, but without the factory-installed digital elevation sensor.

All Winegard antennas are made in USA and ship UPS.

Satellite TV reception may be disrupted by weather conditions or obstructions such as trees, buildings, and overpasses.

Winegard's Top of the Line Portable/Remote

Model **RD-9046** is great for tailgating and other outdoor activities! 18" portable antenna is lightweight and easy to set up. Just find a level spot for the dish, connect your cable to the receiver, type in the zip code and aim the dish. It's also ideal as an alternative satellite in heavily wooded areas or places where maneuvering an RV is not desirable. Compatible with DISH Network, DIRECTV & Bell ExpressVu receivers. Deluxe padded nylon carry case for portability and storage sold separately. Shipping weight 16 lbs.

Dish U.S. Patent No. 5,532,710, Base U.S. Patent No. 5,646,638

Protect your antenna...

RD-0046 padded nylon carry case protects 18" antenna/base portable unit; great for travel or storage.

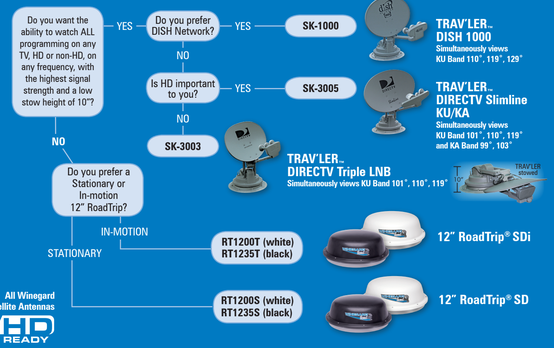
Winegard's *Carryout*™

PM-2000 Portable Carryout antenna weighs only 11 pounds and requires one-time assembly. Feed arm detaches and stores on back of dish when not in use. Includes 18" dish, 20' coax cable, and a 5' jumper cable for use with signal meter (sold separately). Compatible with DISH Network, DIRECTV, & Bell ExpressVu receivers. Shipping weight 14½ lbs.
U.S. Patent No. 5,532,710

Which Satellite Antenna is Right for You?

All Winegard Satellite Antennas are compatible with dish NETWORK · DIRECTV · Bell ExpressVu

FULLY AUTOMATIC



TRAV'LER™ DISH 1000
Simultaneously views KU Band 110°, 119°, 129°

TRAV'LER™ DIRECTV Slimline KU/KA
Simultaneously views KU Band 101°, 110°, 119° and KA Band 99°, 103°

TRAV'LER™ DIRECTV Triple LNB
Simultaneously views KU Band 101°, 110°, 119°

12" RoadTrip® SDi

12" RoadTrip® SD

MANUAL

For Single Satellite Viewing

View one of any available KU Band Satellites
*Not compatible with DIRECTV satellite 110°

Roof Mount

RM-4600

Ground Mount

RD-9046 · **PM-2000** · **DS-4248** · **TR-2000**

For Multiple Satellite Viewing

View 2-3 available KU Band Satellites Simultaneously
**DIRECTV satellite antennas available through DIRECTV

DS-5005 · **TR-3500** · **DS-1005**

***Winegard recommends that you check with your satellite provider to see which antenna fits your programming package.

Satellite TV reception may be disrupted by weather conditions or obstructions such as trees, buildings, and overpasses.

New! TRAV'LER™ Automatic Multi-Satellite HDTV Antennas

TRAV'LER

With many more satellites and much more programming available, satellite TV viewing is changing. The Winegard® TRAV'LER™ automatic multi-satellite viewing antennas offer the best performance in the market. Ever wonder why you don't see dome satellite antennas on homes? The simple answer is they don't meet performance specifications and requirements for DISH Network™ or DIRECTV®. Technologically, with the new TRAV'LER automatic multi-satellite antenna series, RVers can now get all the same great advantages of the latest home satellite systems with NO extra switches, HD converters, etc.

TRAV'LER antennas are built on a completely re-engineered mechanical platform for a rigid reliable mount. This provides a stable base for uninterrupted signal acquisition and allows the dish to endure strong winds and withstand adverse weather conditions.

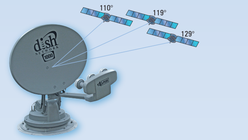
TRAV'LER automatic multi-satellite antennas are superior to domes and other satellite antennas because they are **manufactured with approved and certified DISH Network and DIRECTV reflector antennas**. This means they have the **highest gain for maximum signal strength**. TRAV'LER antennas are able to **view up to 5 satellites at the same time**, offering the most complete and comprehensive standard and HD satellite viewing experience available in the RV market. No more hassling with toggling/moving between satellites. RVers have the ability to **view separate programs located on different satellites at the same time from one antenna, just like home**. With one button operation, **they are compatible with all receivers**, including DVRs (supporting multiple receiver configurations). **No extra accessories needed for HD.** Compatible on all RVs. **Low travel height - 10".**

Depending on your satellite provider preference (DISH Network or DIRECTV) and the level of programming you desire (standard satellite or HDTV), there are 3 models available to choose from; DISH 1000, DIRECTV Triple LNB and DIRECTV Slimline KU/KA. All TRAV'LER antennas are for stationary use only.

HD READY

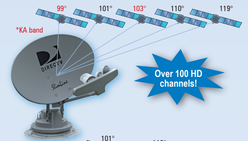
All you need is an HD Ready TV and HD Receiver.

TRAV'LER stows to a low 10 inches.



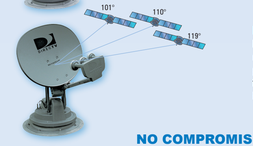
New! TRAV'LER DISH 1000, SK-1000

DISH Network's premier reflector dish used for home systems. Equipped with a 3 LNB feed to receive all DISH Network standard and HD programming from KU-band satellites 110°, 119° and 129° simultaneously. Unit weight: 45 lbs. Travel height 10", Dimensions: 42"L x 26"W.



New! TRAV'LER DIRECTV Slimline KU/KA, SK-3005

DIRECTV's ultimate reflector dish used for home systems. This stealthy 5 LNB antenna provides complete coverage of all DIRECTV standard and HD programming channels. The Slimline KU/KA receives both KU-band satellite (101°, 110° and 119°) and KA-band satellite (99° and 103°) signals simultaneously. No other mobile antenna is currently capable of receiving KA-band signals! Unit wt: 53 lbs. Travel height 10", Dimensions: 44"L x 34"W.



New! TRAV'LER DIRECTV Triple LNB, SK-3003

Ideal for DIRECTV customers interested in receiving the maximum number of standard channels but not as interested in HD programming. This reflector simultaneously receives programming from KU-band satellites 101°, 110° and 119°. Unit wt: 43 lbs. Travel height 10", Dimensions: 40"L x 24"W.

NO COMPROMISES • NO CONFUSION • NO FRUSTRATION

Understanding KU and KA

Until recently, mobile satellite television reception came from KU-band satellites. With the increasing demand for greater programming options and the explosive growth in HD programming, the providers (DIRECTV®, DISH Network™ and Bell ExpressVu) have been forced to add additional satellites to support the growth trend. While DISH Network and Bell ExpressVu have added additional KU-band satellites, DIRECTV launched 2 new KA-band satellites. DIRECTV has already begun transferring all of their HD programming to these 2 KA-band satellites (99° and 103°). They are claiming to soon offer customers over 100 HD channels.
What does this mean for the RVer who is a DIRECTV customer? Well, think of it as AM and FM on a radio – they are two different frequencies. The same goes for KU and KA. Different LNB's are required to allow the reflector antenna to receive KA band signals. Therefore, any previous mobile satellite antenna WILL NOT be able to receive KA-band signals, even with current HD upgrades. **Currently, the only solution for RVers wanting maximum DIRECTV HD programming is to get the TRAV'LER™ DIRECTV Slimline KU/KA Automatic Multi-Satellite Antenna.** This antenna is equipped with a 5 LNB feed making it capable of simultaneously receiving both KU-band satellite (101°, 110° and 119°) and KA-band satellite (99° and 103°) signals.

KU	KU	KU	KU	KA	KU	KA	KU	KU	KU	KU
61.5°	72°	82°	92°	99°	101°	103°	110°	119°	129°	148°
DISH	DTV	BELL	BELL	DTV	DTV	DTV	DISH DTV	DISH DTV	DISH	DISH

12" RoadTrip® Satellite TV Antennas

HD READY

U.S. Patent Nos. 6023247, 6188300

RT1200T 12" RoadTrip SDi In-motion, White Dome
RT1235T 12" RoadTrip SDi In-motion, Black Dome
RT1200S 12" RoadTrip SD Stationary, White Dome
RT1235S 12" RoadTrip SD Stationary, Black Dome

12" RoadTrip antennas are known for their reliability, simple one-button operation and sleek look. DVB technology ensures extremely fast and accurate satellite acquisition. Antennas are able to automatically switch between two satellites while parked or in-motion. Dual receiver capable. Users can view separate programs as long as they are on the same satellite. View all programming including HD for DIRECTV® (101° & 119°) and DISH Network™ (110° & 119°) in the continental United States and Bell ExpressVu (82° & 92°) in most of Canada. Antennas will not acquire KA-band satellites (99° & 103°) for DIRECTV HD programming. For expanded HD on KU-band satellites, plus additional programming, antennas are prewired with communication cable for HD Satellite Interface, WB-2000. Power and coaxial cables are included. 12-1/2" H, 32" Diameter, Unit wt. 35 lbs., Shipping wt. 50 lbs. Upgrade kit available for changing SD (stationary) model to SDi (in-motion).

RoadTrip Upgrade Kit

RT-1205 Upgrade RoadTrip SD (Stationary) model to SDi (In-motion).

HD programming requires HD Ready TV, HD Receiver and HD Programming package (sold separately).

Accessing Expanded HD & Additional Programming with a RoadTrip® Antenna

Standard Set-up — dish NETWORK
110° OR 119°
Antenna Automatically Switches Between 2 Satellites for Viewing 1 Satellite at a Time.

Standard Set-up — DIRECTV
101° OR 119°
Antenna Automatically Switches Between 2 Satellites for Viewing 1 Satellite at a Time.

With HD Satellite Interface
110° OR 119° OR 129°
Antenna Automatically Switches Between 3 Satellites for Viewing 1 Satellite at a Time.

With HD Satellite Interface and DIRECTV HD Converter
101° OR 110° OR 119°
Antenna Automatically Switches Between 3 Satellites for Viewing 1 Satellite at a Time.*
* Not Compatible With KA-band satellites 99° and 103°.

Note: Programming information regarding 12" RoadTrip® antennas, also applies to 15" Movin' View® 3500 series dome antennas.

Maximizing Your HD Experience with Your DOME Antenna...

HD Satellite Interface

Compatible with 12" RoadTrip® or 15" Movin' View® 3500 series dome satellite TV antennas. The Winegard® HD Satellite Interface allows the satellite TV antenna to receive additional programming, including any available HD programming from 3 or more KU-band satellites. This will not allow the antenna to acquire any KA-band satellites for DIRECTV HD programming.

Not Needed for TRAV'LER Antennas!

HD Satellite Interface Box Only, WB-2000: For RVs or dome antennas pre-wired with a communication cable. Package includes HD Satellite Interface Box and 2 ft. coaxial cable. Requires HD-Ready TV and HD receiver, sold separately.*

HD Satellite Interface Kit, WB-2700: For RVs or dome antennas NOT pre-wired with communication cable. Package includes HD Satellite Interface Box, 2 ft. coaxial cable, 30' MV/RT communication cable, installation kit and software upgrade tool. Requires HD-Ready TV and HD receiver, sold separately.*

PROGRAMMING	AVAILABLE SATELLITES
DISH 500	110° and 119°
DISH 1000	110° 119° and 129°
DIRECTV	101° and 119°
DIRECTV Plus	101° 110° and 119°
Bell ExpressVu	82° and 92°

Specifications
- Size: 9.0"W x 2.4"H x 6.0"D
- Weight: 1.2 lbs.
- Ship. Wt. 9.3 lbs.
- Master Pack 2
- Color: Black

*Not compatible with KA-band satellites for DIRECTV HD programming.

NEW! DIRECTV® HD Converter, WB-1100

DIRECTV users require a DIRECTV HD Converter to access additional programming, including HD, located on KU-band satellite 110°. Up to 2 HD converters max. per satellite system. Must be used in conjunction with 15" Movin' View® 3500 series or a 12" RoadTrip® dome satellite TV antenna and HD Satellite Interface, sold separately. (*Not compatible with KA-band satellites 99° and 103°).*

Getting Expanded HD

Plus Additional Programming

Depends on Your Satellite Provider

DISH Network.... 110°, 119°, 129°
HD Satellite Interface required

DIRECTV ..... 101°, 110°, 119°
HD Satellite Interface and DIRECTV HD Converter required

For KU band satellites only. Not compatible with KA band satellites 99° and 103°. Must have HD-Ready TV & HD Receiver & subscribe to HD programming pkg (not included). Check with programming provider for details.

RoadTrip® domes are HD-ready and are able to receive any HD programs located on factory preset satellites.

DISH Network .....110°, 119°
DIRECTV.....101°, 110°
BELL EXPRESSVU .....82°, 92°

No extra accessories required.

WINEGARD®
The Signal You've Been Looking For®